



GILMORE & ASSOCIATES, INC.

FULL SERVICE CIVIL ENGINEERING & CONSULTING



### KENSINGTON HIGH SCHOOL School District of Philadelphia

A new high school is under construction in the Kensington neighborhood of Philadelphia. In a unique turnkey project for the School District of Philadelphia, BSI and AP Construction formed a joint venture for this design-build project. As the civil engineering consultant, Gilmore & Associates provided services for survey, site evaluation and planning, civil and stormwater management design, PWD and Zoning approvals, bid documentation, and assistance with USGBC submittals.

Pursuant to the City of Philadelphia's Green Infrastructure Initiative, and with the goal of obtaining LEED® certification, the school was designed with many sustainable features. The 7.2 acres Brownfield site will incorporate recycled materials in retaining walls and landscaping, provide rainwater cisterns for water re-use, a geothermal heating system and vegetated rooftop areas. Stormwater management practices will reduce runoff, and provide water quality and flood control to meet the City's stringent Public Health and Safety Release Rate requirements for connection to combined sewer networks. The site design minimizes impervious cover with the use of grass-turf pavers, efficient walkway layouts, and porous paving infiltration beds. Stormwater features also include rain gardens and underground detention facilities.

G&A worked in conjunction with the architectural firms of SMP Architects and SRK Architects for the preparation of construction documents. Construction is underway and scheduled for completion by September 2010.



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